

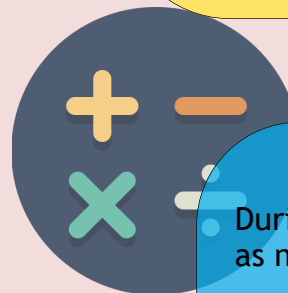
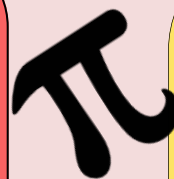
**Overview:**

Year 13 students will study topics from three different areas. These are Pure Maths, Statistics and Mechanics.

There will be regular assessment throughout the year enabling you to track your progress throughout the course.



Year 13

**MATHEMATICS****Term 1:**

For the first half of this term you will study Pure Maths topics including Trigonometry where you will be introduced to radians, the Binomial Theorem and Parametric Equations. You will also continue with Statistics and Mechanics units. In Statistics you will study regression and correlation whilst in Mechanics you will study Moments and Forces at any angle.

The second half of this term covers further trigonometry and differentiation. In Statistics you will study conditional probabilities whilst in Mechanics you will study the Applications of Kinematics.

**Term 3:**

During this term you will study Further Integration and Vectors as part of the Pure Maths course.

In Mechanics you will look at the applications of forces and further kinematics.

**Term 2:**

During this term you will study integration as well as numerical methods and vectors.

In Statistics you will be introduced to the Normal Distribution and in Mechanics you will study the Application of Forces.